

10/634162

=> d his

(FILE 'HOME' ENTERED AT 15:36:55 ON 14 JAN 2005)

FILE 'REGISTRY' ENTERED AT 15:37:14 ON 14 JAN 2005

L1 STRUCTURE UPLOADED

L2 1 S L1

L3 STRUCTURE UPLOADED

L4 0 S L3

L5 85 S L3 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:41:25 ON 14 JAN 2005

L6 14 S L5

L7 8 S L6 NOT AMINO

FILE 'CAOLD' ENTERED AT 15:44:57 ON 14 JAN 2005

L8 0 S L5

FILE 'REGISTRY' ENTERED AT 15:52:11 ON 14 JAN 2005

L9 STRUCTURE UPLOADED

L10 7 S L9

L11 STRUCTURE UPLOADED

L12 7 S L11

L13 STRUCTURE UPLOADED

L14 0 S L13

L15 STRUCTURE UPLOADED

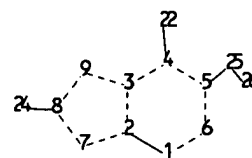
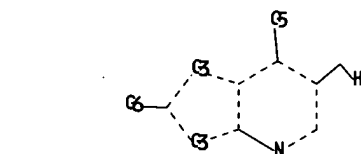
L16 1 S L15

L17 9 S L15 SSS FULL

FILE 'CAPLUS' ENTERED AT 16:10:15 ON 14 JAN 2005

L18 1 S L17

=>



chain nodes :

13 14 15 16 17 18 22 24 25 26

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

4-22 5-25 8-24 13-14 13-17 15-16 16-18 25-26

ring bonds :

1-6 1-2 2-7 2-3 3-9 3-4 4-5 5-6 7-8 8-9

exact/norm bonds :

1-6 1-2 2-7 2-3 3-9 3-4 4-5 4-22 5-6 5-25 7-8 8-9 8-24 13-14 13-17 15-16
16-18 25-26

isolated ring systems :

containing 1 :

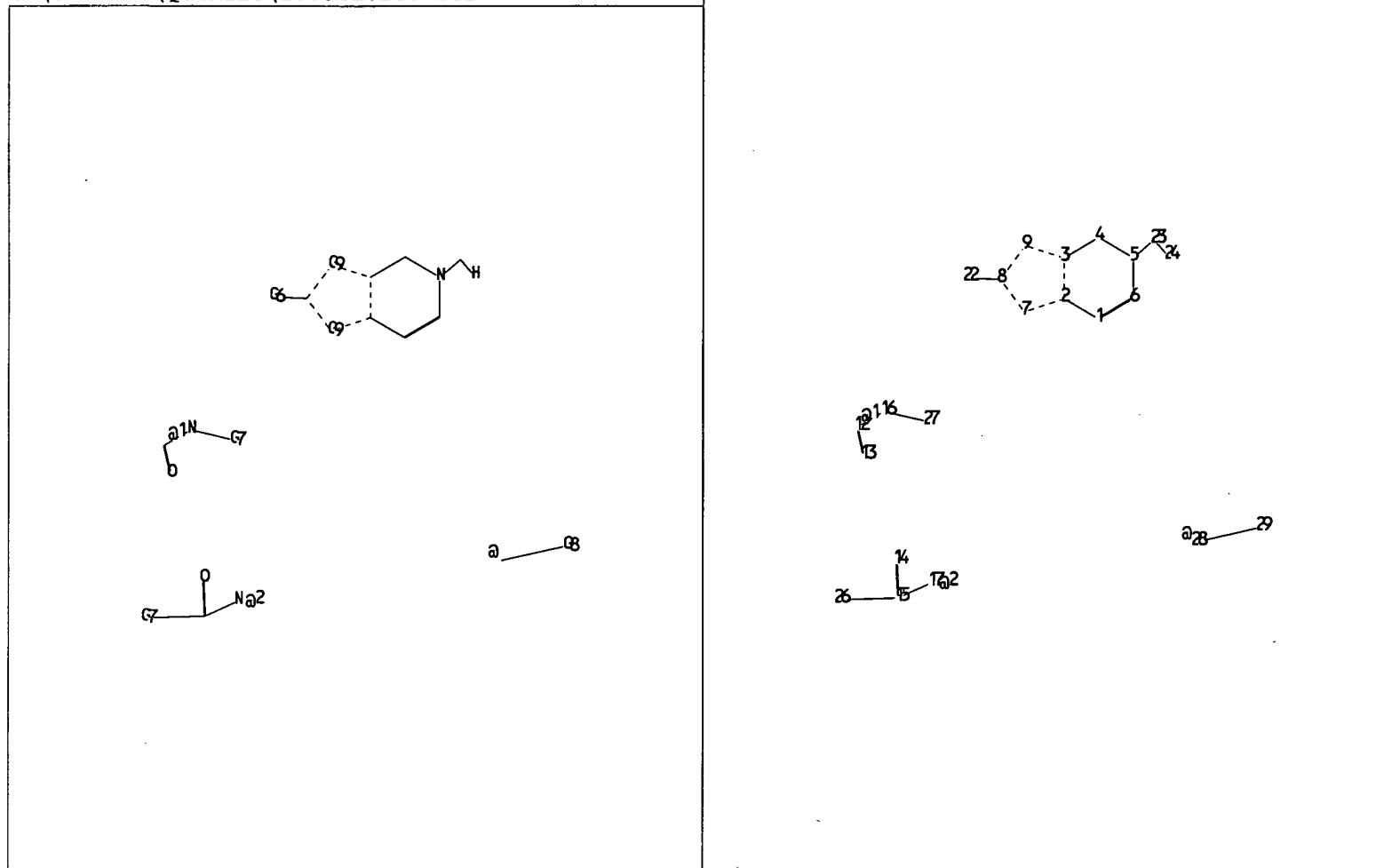
G3:C,S,N

G5:C,O,H

G6:[*1],[*2]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 13:CLASS 14:CLASS
15:CLASS 16:CLASS 17:CLASS 18:CLASS 22:CLASS 24:CLASS 25:CLASS 26:CLASS



chain nodes :

12 13 14 15 16 17 22 23 24 26 27 28 29

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

5-23 8-22 12-13 12-16 14-15 15-17 15-26 16-27 23-24 28-29

ring bonds :

1-6 1-2 2-7 2-3 3-9 3-4 4-5 5-6 7-8 8-9

exact/norm bonds :

1-6 1-2 2-7 2-3 3-9 3-4 4-5 5-23 5-6 7-8 8-9 8-22 12-13 12-16 14-15 15-17
15-26 16-27 23-24 28-29

isolated ring systems :

containing 1 :

G5:C,O,H

G6:[*1],[*2]

G7:C,Cy

G8:C,H

G9:S,N

Match level :

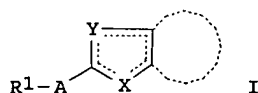
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 12:CLASS 13:CLASS
14:CLASS 15:CLASS 16:CLASS 17:CLASS 22:CLASS 23:CLASS 24:CLASS 26:CLASS 27:CLASS
28:CLASS 29:CLASS

10/634162

=> d 1-8 bib abs hitstr

L7 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:142958 CAPLUS
DN 140:193096
TI Fused bicyclic metalloproteinase inhibitors, pharmaceutical compositions,
and therapeutic use
IN Wilson, Michael William
PA Warner-Lambert Company LLC, USA
SO PCT Int. Appl., 102 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004014375	A2	20040219	WO 2003-IB3523	20030804
	WO 2004014375	A3	20040603		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 2002-403008P	P	20020813		
OS	MARPAT 140:193096				
GI					

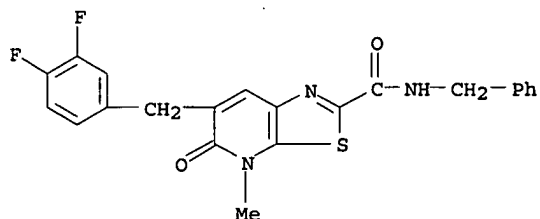


AB The invention discloses fused bicyclic metalloproteinase inhibitors I [A = C2-6 alkynyl, bond, etc.; X, Y = O, S, etc. (with proviso); dashed lines = optional double bonds; B = substituted pyridinyl; R1 = C1-6 alkyl, C2-6 alkenyl, etc.], as well as pharmaceutical compns. and methods of treating arthritis, inflammation, cancer and other disorders.

IT 660815-76-9 660815-77-0 660815-78-1
660815-79-2 660815-80-5 660815-81-6
660815-88-3 660815-89-4 660815-90-7
660815-91-8 660815-92-9 660815-93-0
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(fused bicyclic metalloproteinase inhibitors, pharmaceutical compns., and therapeutic use)

RN 660815-76-9 CAPLUS

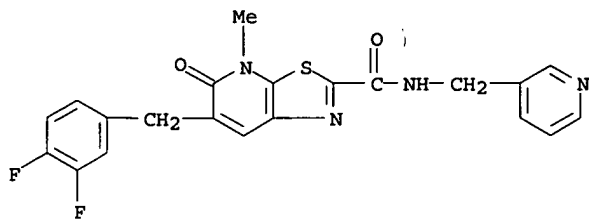
CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 660815-77-0 CAPLUS

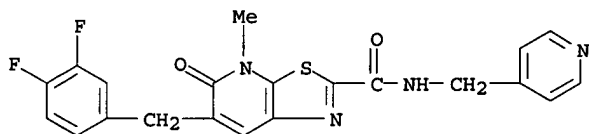
CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)

10/634162



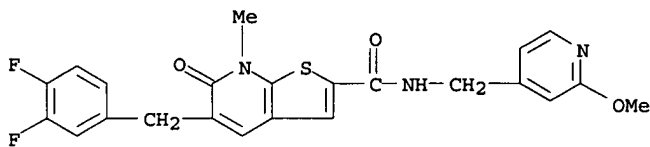
RN 660815-78-1 CAPLUS

CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



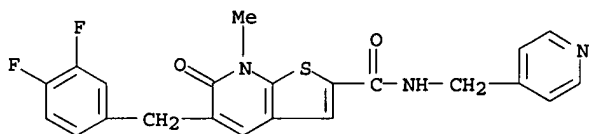
RN 660815-79-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-N-[(2-methoxy-4-pyridinyl)methyl]-7-methyl-6-oxo- (9CI) (CA INDEX NAME)



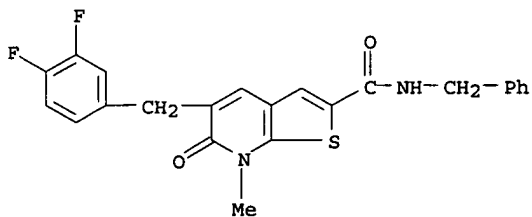
RN 660815-80-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 660815-81-6 CAPLUS

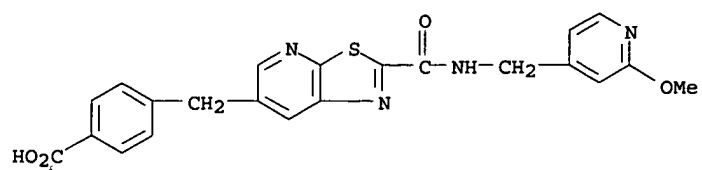
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 660815-88-3 CAPLUS

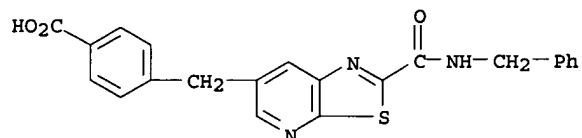
CN Benzoic acid, 4-[[2-[[[(2-methoxy-4-pyridinyl)methyl]amino]carbonyl]thiazolo[5,4-b]pyridin-6-yl]methyl]- (9CI) (CA INDEX NAME)

10/634162



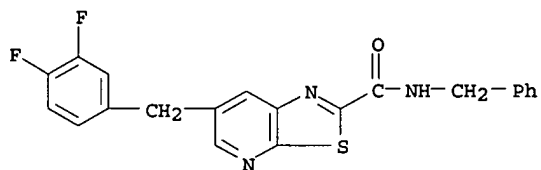
RN 660815-89-4 CAPLUS

CN Benzoic acid, 4-[[2-[[[(phenylmethyl)amino]carbonyl]thiazolo[5,4-b]pyridin-6-yl]methyl]- (9CI) (CA INDEX NAME)



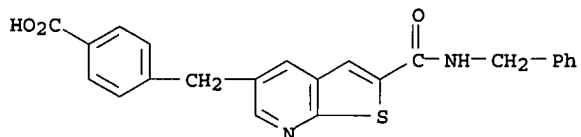
RN 660815-90-7 CAPLUS

CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



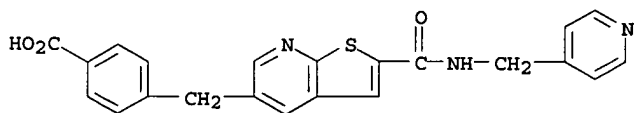
RN 660815-91-8 CAPLUS

CN Benzoic acid, 4-[[2-[[[(phenylmethyl)amino]carbonyl]thieno[2,3-b]pyridin-5-yl]methyl]- (9CI) (CA INDEX NAME)



RN 660815-92-9 CAPLUS

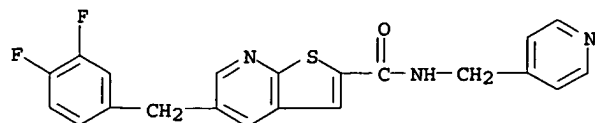
CN Benzoic acid, 4-[[2-[[[(4-pyridinylmethyl)amino]carbonyl]thieno[2,3-b]pyridin-5-yl]methyl]- (9CI) (CA INDEX NAME)



RN 660815-93-0 CAPLUS

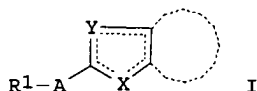
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)

10/634162



L7 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2004:142808 CAPLUS
DN 140:193094
TI Fused bicyclic metalloproteinase inhibitors, pharmaceutical compositions,
and therapeutic use
IN Wilson, Michael William
PA USA
SO U.S. Pat. Appl. Publ., 41 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004034054	A1	20040219	US 2003-634162	20030805
PRAI	US 2002-403008P	P	20020813		
OS	MARPAT 140:193094				
GI					

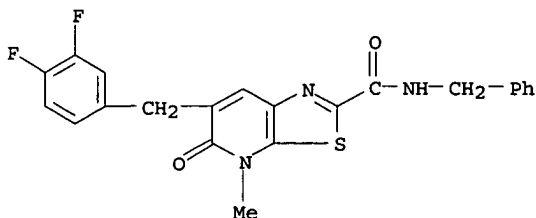


AB The invention discloses fused bicyclic metalloproteinase inhibitors I [A = C2-6 alkynyl, bond, etc.; X, Y = O, S, etc. (with proviso); dashed lines = optional double bonds; B = substituted pyridinyl; R1 = C1-6 alkyl, C2-6 alkenyl, etc.], as well as pharmaceutical compns. and methods of treating arthritis, inflammation, cancer, and other disorders.

IT 660815-76-9 660815-77-0 660815-78-1
660815-79-2 660815-80-5 660815-81-6
660815-88-3 660815-89-4 660815-90-7
660815-91-8 660815-92-9 660815-93-0
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
(fused bicyclic metalloproteinase inhibitors, pharmaceutical compns.,
and therapeutic use)

RN 660815-76-9 CAPLUS

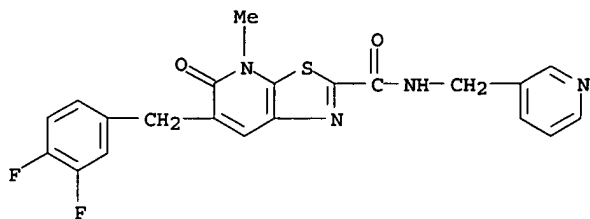
CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 660815-77-0 CAPLUS

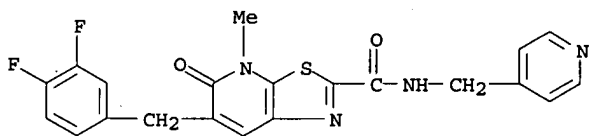
CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)

10/634162



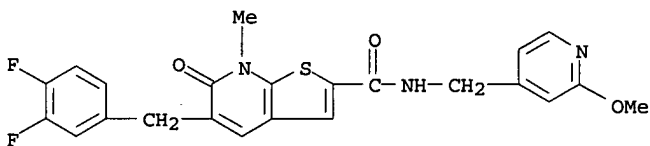
RN 660815-78-1 CAPLUS

CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-4,5-dihydro-4-methyl-5-oxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



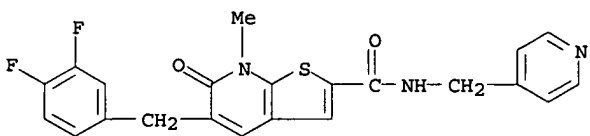
RN 660815-79-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-N-[(2-methoxy-4-pyridinyl)methyl]-7-methyl-6-oxo- (9CI) (CA INDEX NAME)



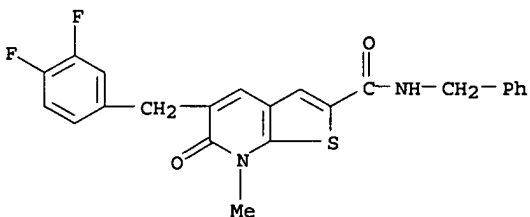
RN 660815-80-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 660815-81-6 CAPLUS

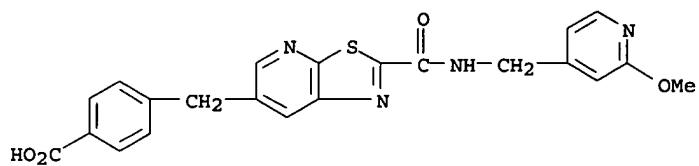
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



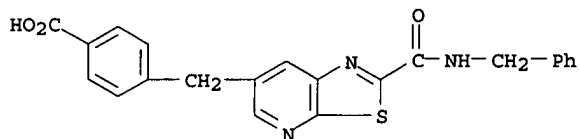
RN 660815-88-3 CAPLUS

CN Benzoic acid, 4-[[[2-[[[(2-methoxy-4-pyridinyl)methyl]amino]carbonyl]thiazolo[5,4-b]pyridin-6-yl]methyl]- (9CI) (CA INDEX NAME)

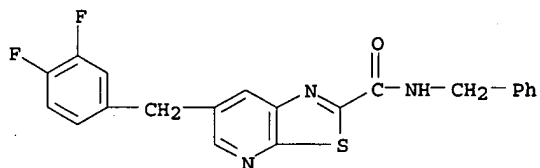
10/634162



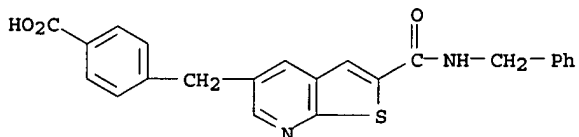
RN 660815-89-4 CAPLUS
CN Benzoic acid, 4-[[2-[(phenylmethyl)amino]carbonyl]thiazolo[5,4-b]pyridin-6-yl]methyl- (9CI) (CA INDEX NAME)



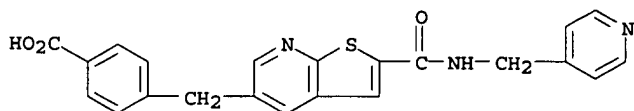
RN 660815-90-7 CAPLUS
CN Thiazolo[5,4-b]pyridine-2-carboxamide, 6-[(3,4-difluorophenyl)methyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



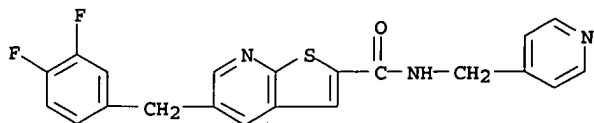
RN 660815-91-8 CAPLUS
CN Benzoic acid, 4-[[2-[(phenylmethyl)amino]carbonyl]thieno[2,3-b]pyridin-5-yl]methyl- (9CI) (CA INDEX NAME)



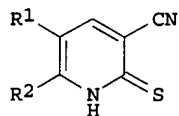
RN 660815-92-9 CAPLUS
CN Benzoic acid, 4-[[2-[(4-pyridinylmethyl)amino]carbonyl]thieno[2,3-b]pyridin-5-yl]methyl- (9CI) (CA INDEX NAME)



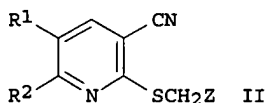
RN 660815-93-0 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



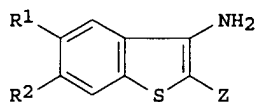
L7 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1996:456309 CAPLUS
 DN 125:221519
 TI Synthesis of 3-cyano-5-ethyl-6-methylpyridine-2(1H)-thione and condensed heterocycles based on it
 AU Rodinovskaya, L. A.; Shestopalov, A. M.; Belukhina, E. V.; Litvinov, V. P.
 CS Inst. Org. Khim. im. Zelinskogo, Moscow, 117913, Russia
 SO Khimiya Geterotsiklicheskih Soedinenii (1996), (6), 851-857
 CODEN: KGSSAQ; ISSN: 0132-6244
 PB Latviiskii Institut Organicheskogo Sinteza
 DT Journal
 LA Russian
 GI



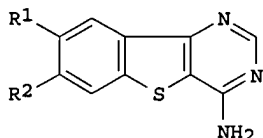
I



II

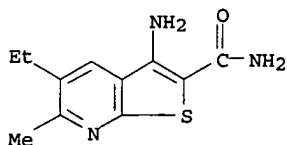


III



IV

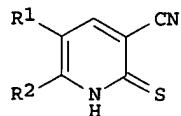
AB Pyridinethiones I (R1 = Et, R2 = Me; R1 = H, R2 = Pr) were prepared by formylation of 2-pentanone, followed by cyclocondensation with NCCH2CSNH2. Alkylation of I with ClCH2Z (Z = CONH2, COOMe, COOEt, CPh, C15H31, CN) gave (alkylthio)pyridines (II). Conversions of I and II to thienopyridines (III) and pyrido-thienopyrimidines (IV) were described.
 IT 174314-60-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 174314-60-4 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-5-ethyl-6-methyl- (9CI) (CA INDEX NAME)



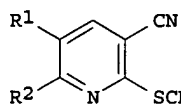
L7 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1996:27901 CAPLUS
 DN 124:202066
 TI Synthesis of 3-cyano-5-ethyl-6-methylpyridine-2(1H)-thione and condensed heterocycles based on it
 AU Rodinovskaya, L. A.; Shestopalov, A. M.; Belukhina, E. V.; Litvinov, V. P.
 CS Inst. Org. Khim. im. N. D. Zelinskogo, Moscow, Russia
 SO Khimiya Geterotsiklicheskih Soedinenii (1995), (6), 851-7
 CODEN: KGSSAQ; ISSN: 0132-6244
 PB Latviiskii Institut Organicheskogo Sinteza

10/634162

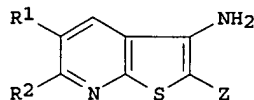
DT Journal
LA Russian
GI



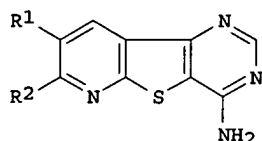
I



II



III



IV

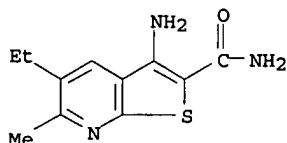
AB Pyridinethiones I (R1 = Et, R2 = Me; R1 = H, R2 = Pr) were prepared by formylation of MeCOPr and reaction of the unsatd. ketones formed with NCCH2CSNH2. Alkylation of I with ClCH2Z (Z = alkyl, carbalkoxy, CPh, CONH2, CN) occurred on the S atom to give II (same R1, R2, Z). II were then converted to thienopyridines (III) and pyridothienopyrimidines (IV).

IT 174314-60-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization with formamide)

RN 174314-60-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-5-ethyl-6-methyl- (9CI) (CA INDEX NAME)



L7 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1992:235578 CAPLUS

DN 116:235578

TI Heteroatom-containing polycyclic azines. 31. Synthesis of imidazolin-2-yl- and 3,4,5,6-tetrahydropyrimidin-2-yl-3-aminothieno[2,3-b]pyridines

AU Leistner, S.; Wagner, G.; Krasselt, U.; Dumke, S.

CS Sekt. Biowiss., Univ. Leipzig, Leipzig, O-7010, Germany

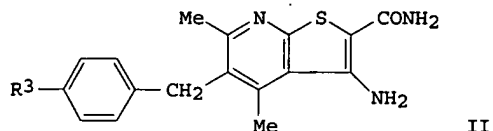
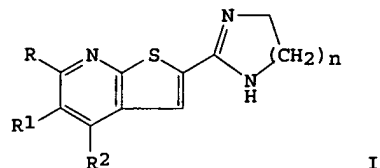
SO Pharmazie (1992), 47(1), 11-14

CODEN: PHARAT; ISSN: 0031-7144

DT Journal

LA German

GI



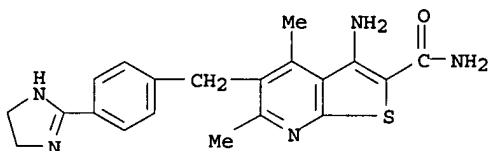
AB The title compds. I ($n = 1, 2$; $R = \text{Me, Ph, 4-BrC}_6\text{H}_4$; $R_1 = \text{H, Me}$; $R_2 = \text{H, Me, 4-BrC}_6\text{H}_4$) were prepared by the reaction of diaminoalkanes and CS_2 with the aminothieno[2,3-*b*]pyridines or cyanomethylthiopyridines, or from aminothieno[2,3-*b*]pyridinecarbothioamides with diaminoalkanes. The reaction of the aminothienocarboxamides II ($R_3 = \text{cyano}$) with diaminoalkanes gave II ($R_3 = 2\text{-imidazolinyl, 2-tetrahydropyrimidinyl}$). Compds. with two imidazoline or two tetrahydropyrimidine substituents were similarly synthesized.

IT 141278-17-3P 141278-18-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

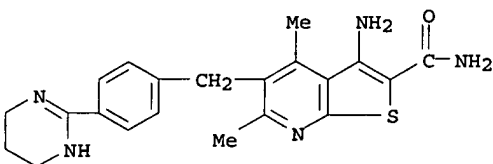
RN 141278-17-3 CAPLUS

CN Thieno[2,3-*b*]pyridine-2-carboxamide, 3-amino-5-[[4-(4,5-dihydro-1H-imidazol-2-yl)phenyl]methyl]-4,6-dimethyl- (9CI) (CA INDEX NAME)



RN 141278-18-4 CAPLUS

CN Thieno[2,3-*b*]pyridine-2-carboxamide, 3-amino-4,6-dimethyl-5-[[4-(1,4,5,6-tetrahydro-2-pyrimidinyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

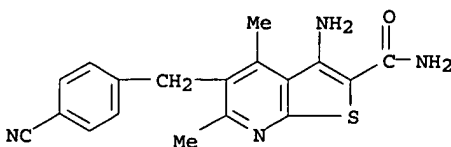


IT 119003-39-3

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with ethylenediamine and carbon disulfide)

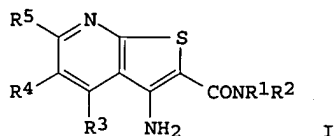
RN 119003-39-3 CAPLUS

CN Thieno[2,3-*b*]pyridine-2-carboxamide, 3-amino-5-[(4-cyanophenyl)methyl]-4,6-dimethyl- (9CI) (CA INDEX NAME)

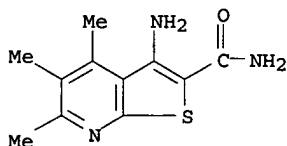


10/634162

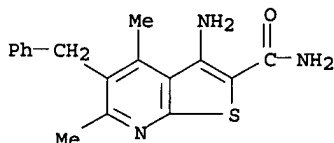
L7 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1990:515227 CAPLUS
DN 113:115227
TI Polycyclic pyridines. Part 8. Synthesis of new primary, secondary and tertiary 3-aminothieno[2,3-b]pyridine-2-carboxamides by different pathways
AU Wagner, G.; Vieweg, H.; Leistner, S.; Boehm, N.; Krasselt, U.; Hanfeld, Vera; Prantz, J.; Grupe, Renate
CS Sekt. Biowiss., Karl-Marx-Univ., Leipzig, DDR-7010, Ger. Dem. Rep.
SO Pharmazie (1990), 45(2), 102-9
CODEN: PHARAT; ISSN: 0031-7144
DT Journal
LA German
OS CASREACT 113:115227
GI



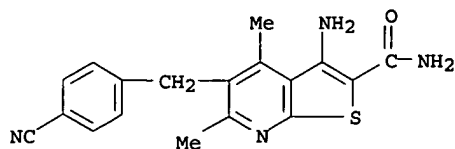
AB The treatment of 2-thioxo-1,2-dihydropyridine-3-carbonitriles with ClCH2CO2NR1R3 (R1, R2 = H, Me, Et) gave 3-aminothieno[2,3-b]pyridinecarboxylic acid amides I (R1 = H, Et, Me; R2 = H, Et, Bu, cyclohexyl, CH2CH2OH, CH2CO2H; R1R2 = (CH2)5; R3 = Me, Ph, 4-BrC6H4, 3-pyridyl, CONH2, etc; R4 = H, Me, CH2C6H4(CN)-4; R5 = Me, C6H4Cl-4, Ph, C6H4Br-4, furyl, naphthyl, OH). Some of the compds. thus prepared, e.g. I (R1 = R2 = R4 = H, R3 = Me, R5 = Ph) and I (R1 = R4 = H, R2 = CH2CH2OH, R3 = R5 = Me) showed activity as antiallergics in the passive cutaneous anaphylaxis test in rats.
IT 119003-37-1P 119003-38-2P 119003-39-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 119003-37-1 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-4,5,6-trimethyl- (9CI) (CA INDEX NAME)



RN 119003-38-2 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-4,6-dimethyl-5-(phenylmethyl)- (9CI) (CA INDEX NAME)

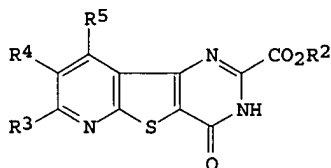


RN 119003-39-3 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-5-[(4-cyanophenyl)methyl]-4,6-dimethyl- (9CI) (CA INDEX NAME)

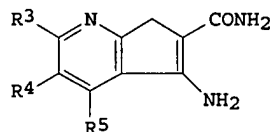


L7 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1989:95203 CAPLUS
 DN 110:95203
 TI Preparation of 4-oxo-3,4-dihydropyrido[3',4',4,5]thieno[3,2-d]pyrimidine-2-carboxylates as drugs
 IN Vieweg, Helmut; Leistner, Siegfried; Wagner, Guenther; Krasselt, Uwe; Lohmann, Dieter; Laban, Gunter
 PA Karl-Marx-Universitaet Leipzig, Ger. Dem. Rep.
 SO Ger. (East), 4 pp.
 CODEN: GEXXA8
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DD 258014	A1	19880706	DD 1987-300313	19870302
PRAI	DD 1987-300313		19870302		
OS	MARPAT 110:95203				
GI					



I

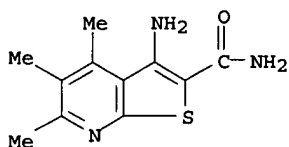


II

AB The title compds. [I; R2 = C1-3 alkyl; R3 = Me, (substituted) alkyl; R4 = H, Me, (substituted) aryl], useful as potential drugs and intermediates, were prepared by cyclocondensation of aminothienopyrimidinecarboxamides II with R1O2CCO2R1 (R1 = C1-3 alkyl) in R2ONa/R2OH. II (R3 = Me, R4 = H, R5 = Ph) was heated briefly in MeOH/NaOMe; di-Et oxalate was added and the mixture was refluxed for 30 min to give 85% I (R2 = Et, R3 = Me, R4 = H, R5 = Ph).

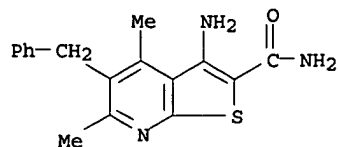
IT 119003-37-1 119003-38-2 119003-39-3
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (cyclocondensation of, with di-Et oxalate)

RN 119003-37-1 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-4,5,6-trimethyl- (9CI) (CA INDEX NAME)

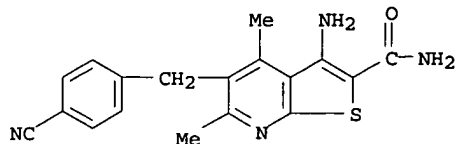


RN 119003-38-2 CAPLUS
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-4,6-dimethyl-5-(phenylmethyl)- (9CI) (CA INDEX NAME)

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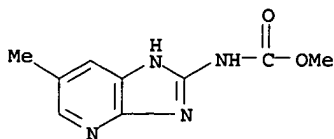
RN 119003-39-3 CAPLUS
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-5-[(4-cyanophenyl)methyl]-4,6-dimethyl- (9CI) (CA INDEX NAME)



L7 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1972:434513 CAPLUS
DN 77:34513
TI Anthelmintic alkyl 1(3)H-imidazo[4,5-b]pyridine-2-carbamates
IN Brody, Gerald; Goddman, Leon; Lee, William W.; Johansson, John G.
PA Syntex Corp.
SO Ger. Offen., 16 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2150917	A	19720420	DE 1971-2150917	19711013
	ZA 7105867	A	19730425	ZA 1971-5867	19710901
	AU 7133766	A1	19730329	AU 1971-33766	19710922
	FR 2110439	A5	19720602	FR 1971-36750	19711013
	ES 395985	A1	19731216	ES 1971-395985	19711014
PRAI	US 1970-81134	A	19701015		

GI For diagram(s), see printed CA Issue.
AB The title compds. [I, R and R1 given: Me, H (II); Me, Me; Et, H] and the II salts with HCl, MeSO3H, and tartaric acid, useful as fungicides, were prepared by successive reaction of N2NC(:NH)SMe.H2SO4 (III) and ClCO2R and 2,3-diaminopyridine (IV) or its 5-Me derivative, and optionally with the corresponding acids. Thus, a solution of 6.9 g III was treated with 4.7 g ClCO2Me for 10 min at 0°, then after successive addition of aqueous NaOH and AcOH, the solution was refluxed for 18 hr at pH 5 with IV in EtOH to give 430 mg II. II (10.5 mg/kg/day) was given to dogs, infected with Ancylostoma caninum and Uncinaria stenocephala, during 14 days and freed them from the hookworms by 100%.
IT 36649-04-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 36649-04-4 CAPLUS
CN Carbamic acid, (6-methyl-1H-imidazo[4,5-b]pyridin-2-yl)-, methyl ester (9CI) (CA INDEX NAME)



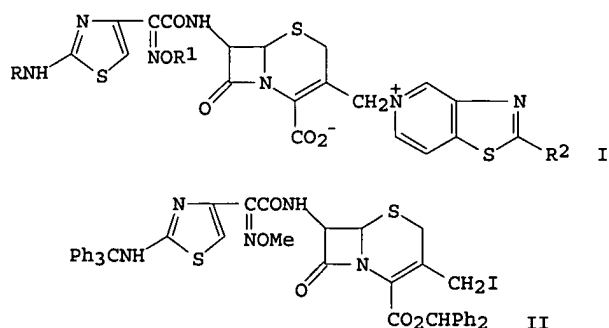
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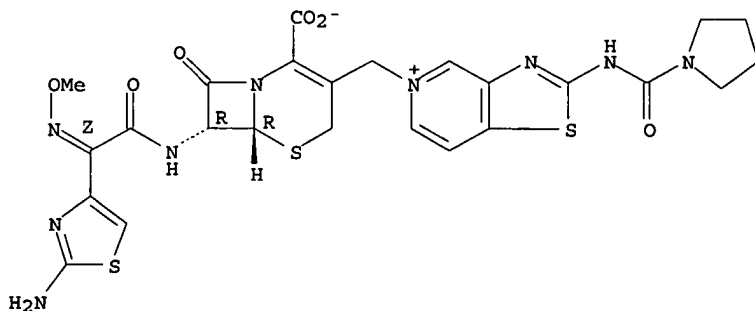
L18 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1985:453873 CAPLUS
DN 103:53873
TI Cephalosporin derivatives
IN Imae, Kiyoto; Aburaki, Shimpei; Narita, Yukio; Okumura, Jun; Naito,
Takayuki
PA Bristol-Myers Co. , USA
SO U.S., 26 pp. Cont.-in-part of U.S. Ser. No. 392,866, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2
PATENT NO. KIND DATE APPLICATION NO. DATE
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PI US 4500526 A 19850219 US 1983-541593 19831
JP 59010593 A2 19840120 JP 1983-115333 19830
JP 04061000 B4 19920929
PRAI US 1982-392866 A2 19820628
GI

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IT 97249-50-8P 97249-86-0P 97249-89-3P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (preparation and bactericidal activity of)
 RN 97249-50-8 CAPLUS
 CN Thiazolo[4,5-c]pyridinium, 5-[[7-[[[(2-amino-4-thiazolyl)(methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl)methyl]-2-[(1-pyrrolidinylcarbonyl)amino]-, inner salt, [6R-[6a,7B(2)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



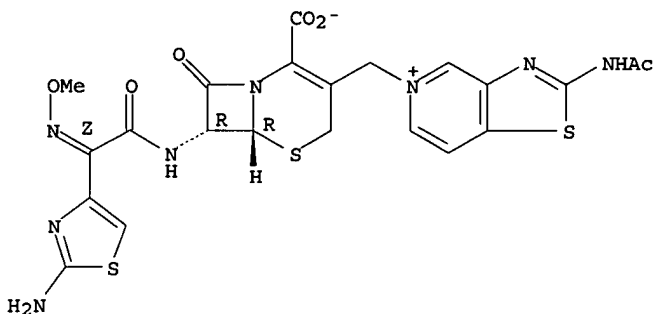
10/634162

RN 97249-86-0 CAPLUS

CN Thiazolo[4,5-c]pyridinium, 2-(acetylamino)-5-[[7-[[[(2-amino-4-thiazolyl) (methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, inner salt, [6R-[6 α ,7 β (Z)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

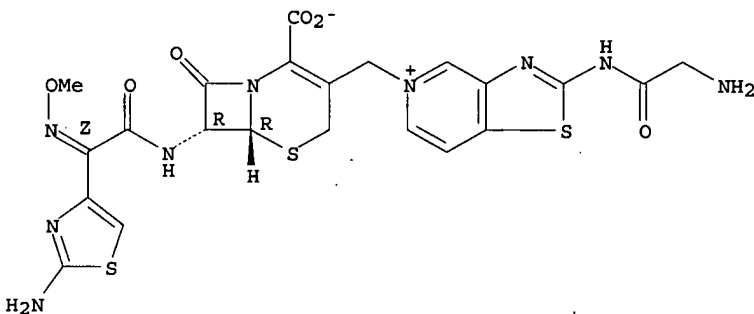


RN 97249-89-3 CAPLUS

CN Thiazolo[4,5-c]pyridinium, 2-[(aminoacetyl)amino]-5-[[7-[[[(2-amino-4-thiazolyl) (methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, inner salt, [6R-[6 α ,7 β (Z)]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.



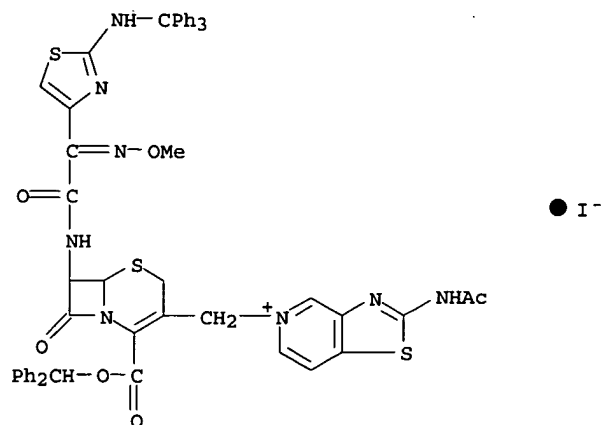
IT 97249-85-9P 97249-88-2P 97249-96-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and deblocking of)

RN 97249-85-9 CAPLUS

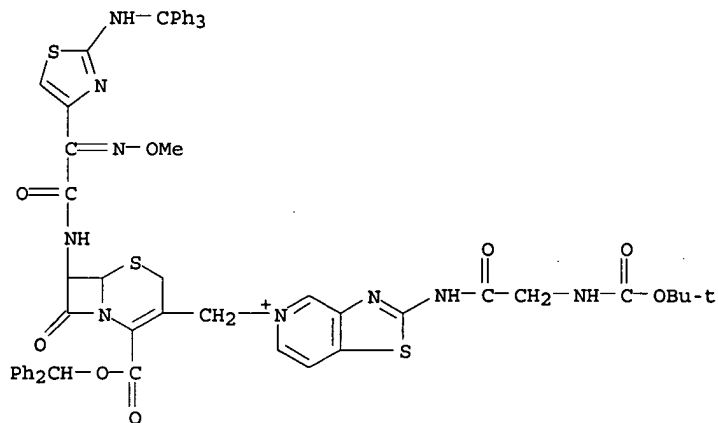
CN Thiazolo[4,5-c]pyridinium, 2-(acetylamino)-5-[[2-[(diphenylmethoxy)carbonyl]-7-[[[(methoxyimino) [2-[(triphenylmethyl)amino]-4-thiazolyl]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, iodide, [6R-[6 α ,7 β (Z)]]- (9CI) (CA INDEX NAME)

10/634162



RN 97249-88-2 CAPLUS
 CN Thiazolo[4,5-c]pyridinium, 2-[[[(1,1-dimethylethoxy)carbonyl]amino]acetyl
]amino]-5-[[2-[(diphenylmethoxy)carbonyl]-7-[[methoxyimino]2-
 [(triphenylmethyl)amino]-4-thiazolyl]acetyl]amino]-8-oxo-5-thia-1-
 azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, iodide, [6R-
 [6 α ,7 β (Z)]]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

RN 97249-96-2 CAPLUS
 CN Thiazolo[4,5-c]pyridinium, 5-[[2-[(diphenylmethoxy)carbonyl]-7-
 [[methoxyimino]2-[(triphenylmethyl)amino]-4-thiazolyl]acetyl]amino]-8-
 oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-2-[(1-
 pyrrolidinylcarbonyl)amino]-, iodide, [6R-[6 α ,7 β (Z)]]- (9CI)
 (CA INDEX NAME)

